

STATINTL  
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TO: [REDACTED]

21 July 1964

FROM: [REDACTED]

SUBJECT: Report on Failure of Droque Release and Main Chute Deploy on  
7/16/64 (300 knots at 20,000 ft.)

After reviewing all of the components and coverage of this test it is our opinion that the cause could be the results of the following conditions:

1. The dummy was spinning at the time the main parachute deploy unit should have functioned. The "g's" resulting from THIS spinning should not have prevented the unit's functioning except for a marginal condition that was found to exist in five of the test units.

2. In order to produce sufficient units for the test program it was necessary to utilize some of the parts from earlier models. Of the eight Main Deploy and Droque Release units for the test program, three were made with all current production parts. They were 1201133-0 serial nos. 101, 102 and 103. The other five were 1201133-TO (TEST ONLY) serial nos. 109, 205, 225, 226 and 227. It was these units that had some parts taken from earlier release units. After examination it was noted that these units released very close to the A (armed) position, whereas the 1201133-0 (production units) released between 5° and 15° from the A position toward the R (reset) position.

CONCLUSION:

We have formed the following conclusion from the data investigated:

1. It could be possible that the spring back from the dynamic release could cause the release lever to spring back into the reset at A and possibly block its function, because of the function being so close to the A position on the 1201133-TO units.

2. This has been partially proven by three successful drops with the 1201133-0 units.

ACTION:

Revise the 1201133-TO units so the release action will be identical to the 1201133-0 production units.

[REDACTED]

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*Pacific Scientific Co.*

On file USAF release  
instructions apply.